

## Shielded ADR Magnets For Space Applications, Phase II

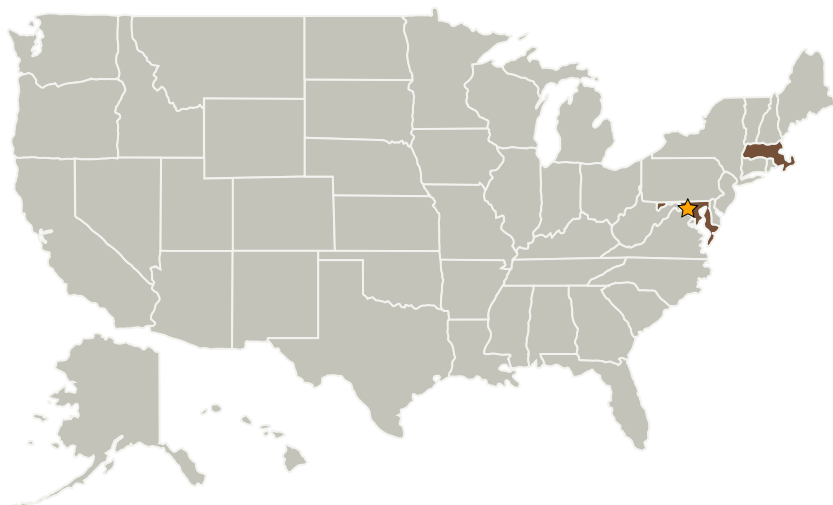
Completed Technology Project (2007 - 2009)



## Project Introduction

The Phase II program will concentrate on manufacturing of qualified low-current, light-weight, 10K ADR magnets for space application. Shielded ADR solenoidal magnets will be compared with self-shielding toroidal magnets in terms of overall weight, volume, and cooling capacity. Models of both toroidal and shielded solenoidal magnet systems will be built and tested to compare the two options at practical as well as technical levels.

## Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★Goddard Space Flight Center(GSFC)	Lead Organization	NASA Center	Greenbelt, Maryland
Superconducting Systems, Inc.	Supporting Organization	Industry	Billerica, Massachusetts

## Primary U.S. Work Locations

Maryland	Massachusetts
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## Table of Contents

Project Introduction	1
Primary U.S. Work Locations and Key Partners	1
Organizational Responsibility	1
Project Transitions	2
Project Management	2
Technology Areas	2

## Organizational Responsibility

**Responsible Mission Directorate:**

Space Technology Mission Directorate (STMD)

**Lead Center / Facility:**

Goddard Space Flight Center (GSFC)

**Responsible Program:**

Small Business Innovation Research/Small Business Tech Transfer

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### Project Transitions



**March 2007:** Project Start



**March 2009:** Closed out

### Project Management

**Program Director:**

Jason L Kessler

**Program Manager:**

Carlos Torrez

### Technology Areas

**Primary:**

- TX06 Human Health, Life Support, and Habitation Systems
  - └ TX06.5 Radiation
    - └ TX06.5.3 Protection Systems